

Appl. No. 10/668,172
Amendment dated: August 16, 2005
Reply to OA of: May 16, 2005

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1(currently amended). A composite micro-structured sheet for diffusing and condensing light comprising a substrate having a top surface and a bottom surface, wherein a plurality of straight trenches with an arc cross-section is formed on the bottom surface for diffusing the incident light on the bottom surface, and a plurality of ~~rhombus~~ triangular-type protrusions is formed on the top surface for raising the semi-brightness angle of the light that has passed through the bottom surface, wherein an included angle between each straight trench with an arc cross-section and the respective triangular-type protrusion ranges from 30 to 90 degrees.

2(original). The composite micro-structured sheet as claimed in claim 1, wherein the substrate is made of polymethyl methacrylate (PMMA) or polycarbonate (PC).

3(currently amended). The composite micro-structured sheet as claimed in claim 1, wherein each straight trench with an arc cross-section is constructed of ~~a convex pillar lens array or a concave pillar lens array.~~

Claim 4(canceled).

5(original). The composite micro-structured sheet as claimed in claim 3, wherein the size and focal length of the lenses of the convex pillar lens array or the concave pillar lens array are all the same.

Claim 6(canceled).

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7(currently amended). The composite micro-structured sheet as claimed in claim 1, wherein the ~~rhombus~~ triangular-type protrusions are parallel to each other.

Claim 8(canceled).

9(new). The composite micro-structured sheet as claimed in claim 1, wherein the included angle is 30 degrees.